Tamiami Trail Flow Formula (TTFF) - Target Flow from WCA-3A to ENP

Daily Target Flow for			9/29/2020	to	10/5/2020	MAX	cfs
Observed Stage Data							
<u>Station</u>	<u>Variable</u>			on	9/25/2020		<u>Unit</u>
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage						ft-NGVD29
NESRS2	Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A	Stage					10.26	ft-NGVD29
Observed Flow Data							
<u>Station</u>	<u>Variable</u>	From	9/19/2020	to	9/25/2020	<u>Value</u>	<u>Unit</u>
S-12A	7-day Average Daily Flow					273	cfs
S-12B	7-day Average Daily Flow					214	
S-12C	7-day Average Daily Flow					245	
S-12D	7-day Average Daily Flow					520	
S-333	7-day Average Daily Flow					584	
S-333N	7-day Average Daily Flow					N/A	
S-334	7-day Average Daily Flow						cfs
S-12s Total	7-day Average Daily Flow					1252	
S333 + S333N - S334 ¹	7-day Average Daily Flow					584	
Total Flow to ENP	7-day Average Daily Flow					1836	cfs
Meteorological Data							
<u>Forecasted</u>						<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Foreca	st (QPF)	From	9/26/2020	to	10/2/2020	1.97	in
3AS3WX - 7-day Total Forecasted PET		From	9/26/2020	to	10/2/2020	0.91	in
Observed		From	9/19/2020	to	9/25/2020	Value	Unit
WCA-3 7-day Total Observed NEXRAD Rainfall						2.18	
3AS3WX 7-day Total Observed PET						0.91	in
TTFF Application							
Previous week target flow (calculated with forecasted 7-day QPF and PET)					MAX	cfs	
,	, , , , , , , , , , , , , , , , , , , ,					MAX	
3 Adjustment for forecast (2-1)						cfs	
4 This week calculated target flow						MAX	
5 This week target flow with adju	stment (3 + 4)					MAX	cfs
Average Daily Target Flow ²					MAX	cfs	

Target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

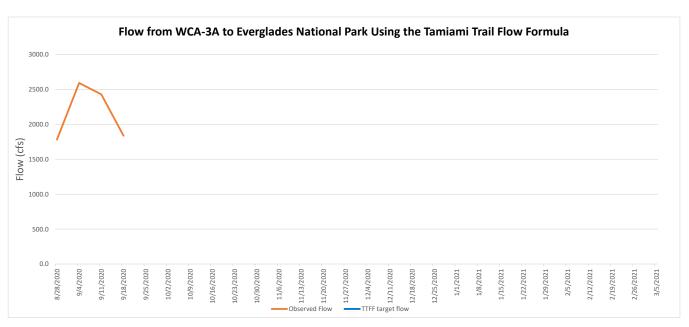
Forecast Precipitation (β4)

Forecast PET (β5)

Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

WCA-3A Average Stage (β1)



 $^{^{1}}$ S-333 + S-333N - S-334 becomes zero if the sum of S-333 and S-333N is less than S-334 flow. Calculation is done daily.

²Actual discharges may vary from target discharges because of changing hydrologic conditions.